

**ABSTRACT**

The invention provides an improved differential output structure with minimal skew and introduces less process variations. According to one embodiment of the invention, a differential output structure is provided and comprises an input line, an output driver and a sync circuit. The input line includes first and second paths. The first path has an input end for receiving input signals. The first path also has an output end and includes at least one driving element. The second path has an input end operably coupled to the input end of the first path for receiving the input signals. The second path also has an output end. The output driver is operably coupled to the output ends of the first and second paths and is configured to provide differential outputs. The sync circuit is operably coupled between the first and second paths and is configured to synchronize the speed of signals traveling on the two paths.